

Product Datasheet

TrkC Antibody NB100-98829

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NB100-98829

TrkC Antibody

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Reconstitution Instructions	Reconstitute in 0.1 ml of sterile water. Centrifuge to remove any insoluble material. Glycerol may be added (1:1) for additional stability. Please note the sample size is provided in reconstituted format.
Isotype	IgG
Purity	Unpurified
Buffer	Lyophilized from whole antisera

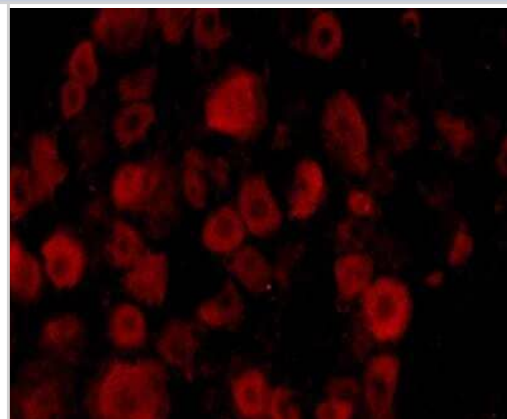
Product Description	
Description	Novus Biologicals Rabbit TrkC Antibody (NB100-98829) is a polyclonal antibody validated for use in IHC and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	4916
Gene Symbol	NTRK3
Species	Human, Mouse, Rat
Immunogen	A synthetic peptide from the extracellular domain of rat TrkC conjugated to blue carrier protein was used as the antigen. The peptide is homologous in mouse and human.

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:1000, Immunohistochemistry-Paraffin 1:1000
Application Notes	This TrkC antibody is useful for Immunohistochemistry-Paraffin and Immunocytochemistry / Immunofluorescence. In ICC/IF, membrane staining was observed in neuro2a cells. In IHC-P, staining was observed in the membrane of mouse brain and spinal cord. Prior to immunostaining paraffin tissues, antigen retrieval with sodium citrate buffer (pH 6.0) is recommended.

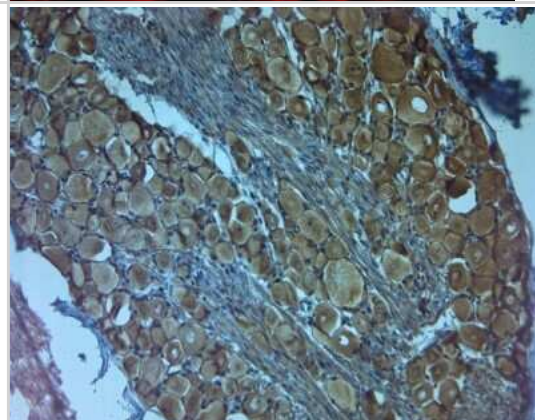


Images

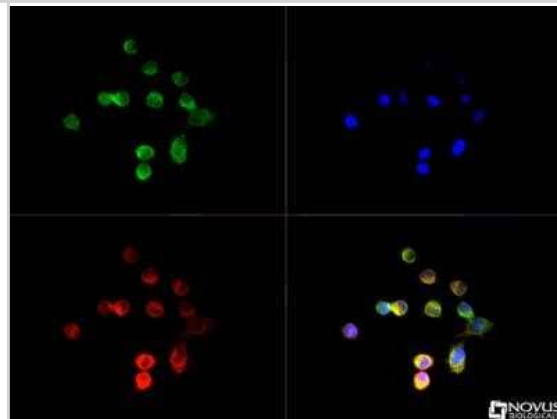
Immunocytochemistry/Immunofluorescence: TrkC Antibody [NB100-98829] - Rat DRG at 1 : 500 dilution using Rabbit antibody to extracellular domain of TrkC.



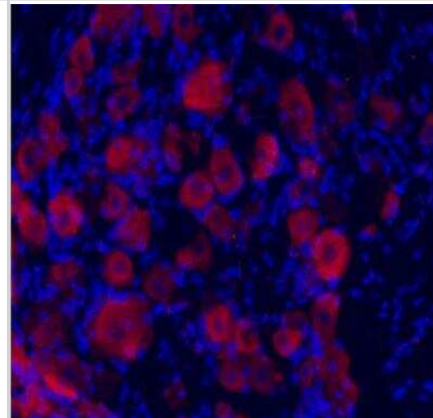
Immunohistochemistry-Paraffin: TrkC Antibody [NB100-98829] - IHC on paraffin sections of rat DRG using Rabbit antibody to TrkC .HIER: 1 mM EDTA, pH 8 for 20 min. Blocking: 0.2% LFDM in TBST filtered thru 0.2 um. Detection was done using HRP polymer following manufacturers instructions. Primary antibody: dilution 10 ug/ml, incubated 30 min at RT (using Autostainer). Sections were counterstained with Harris Hematoxylin.



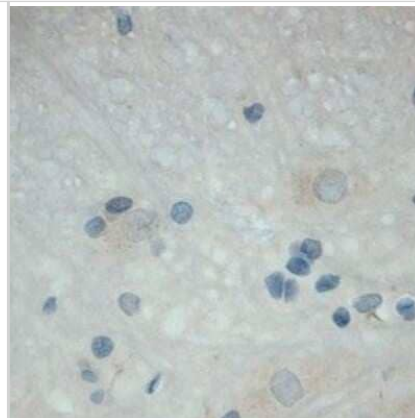
Immunocytochemistry/Immunofluorescence: TrkC Antibody [NB100-98829] - TrkC antibody was tested in neuro2a cells with Dylight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and Dylight 550 (red).



Immunocytochemistry/Immunofluorescence: TrkC Antibody [NB100-98829] - IF on rat DRG at 1 : 500 dilution Rabbit antibody to extracellular domain of rat, mouse, human, monkey TrkC (Trk-C, NTRK3, NT-3 growth factor receptor, GP145-TrkC): whole serum, DAPI counterstained



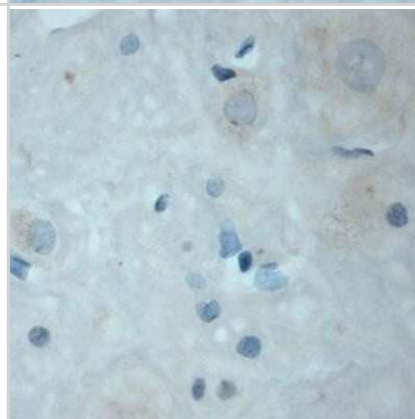
Immunohistochemistry: TrkC Antibody [NB100-98829] - IHC on rat spinal cord (paraffin section) using Rabbit antibody to extracellular domain of TrkC (Trk-C, NTRK3, NT-3 growth factor receptor): whole serum at 1 : 200 dilution incubated overnight at 4C, developed with DAB/No and counterstained with hematoxylin.



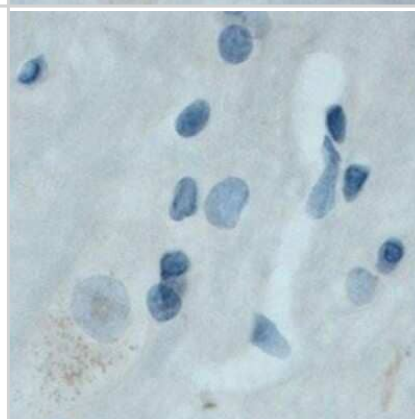
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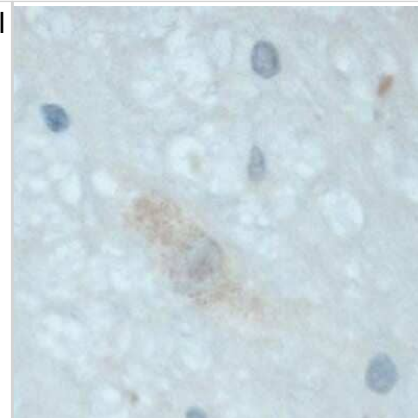
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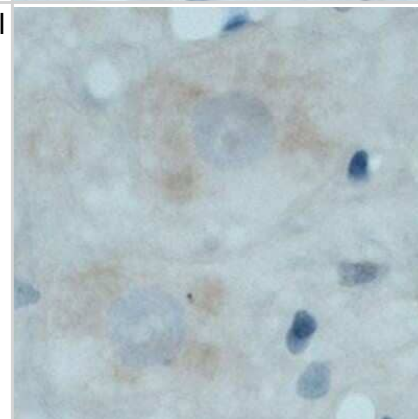
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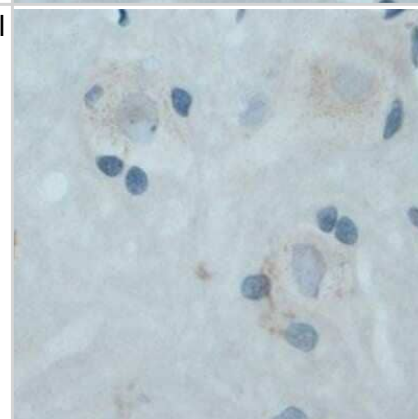
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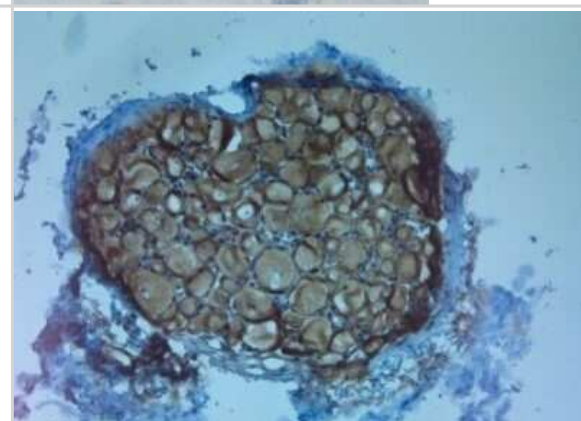
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Procedures

Immunocytochemistry protocol for TrkC Antibody (NB100-98829)

Immunocytochemistry Protocol specific for TrkC antibody (NB100-98829):

Culture cells to appropriate density in 35 mm culture dishes or 6-well plates.

1. Remove culture medium and add 10% formalin to the dish. Fix at room temperature for 30 minutes.
2. Remove the formalin and add ice cold methanol. Incubate for 5-10 minutes.
3. Remove methanol and add washing solution (i.e. PBS). Be sure to not let the specimen dry out. Wash three times for 10 minutes.
4. To block nonspecific antibody binding incubate in 10% normal goat serum from 1 hour to overnight at room temperature.
5. Add primary antibody at appropriate dilution and incubate at room temperature from 2 hours to overnight at room temperature.
6. Remove primary antibody and replace with washing solution. Wash three times for 10 minutes.
7. Add secondary antibody at appropriate dilution. Incubate for 1 hour at room temperature.
8. Remove antibody and replace with wash solution, then wash for 10 minutes. Add Hoechst 33258 to wash solution at 1:25,000 and incubate for 10 minutes. Wash a third time for 10 minutes.
9. Cells can be viewed directly after washing. The plates can also be stored in PBS containing Azide covered in Parafilm (TM). Cells can also be cover-slipped using Fluoromount, with appropriate sealing.

*The above information is only intended as a guide. The researcher should determine what protocol best meets their needs. Please follow safe laboratory procedures.

Immunohistochemistry Protocol specific for TrkC antibody (NB100-98829)

Immunohistochemistry-Paraffin Embedded Sections

Antigen Unmasking:

Bring slides to a boil in 10 mM sodium citrate buffer (pH 6.0) then maintain at a sub-boiling temperature for 10 minutes. Cool slides on bench-top for 30 minutes.

Staining:

1. Wash sections in deionized water three times for 5 minutes each.
2. Wash sections in wash buffer for 5 minutes.
3. Block each section with 100-400 ul blocking solution for 1 hour at room temperature.
4. Remove blocking solution and add 100-400 ul diluted primary antibody. Incubate overnight at 4 C.
5. Remove antibody solution and wash sections in wash buffer three times for 5 minutes each.
6. Add 100-400 ul biotinylated diluted secondary antibody. Incubate 30 minutes at room temperature.
7. Remove secondary antibody solution and wash sections three times with wash buffer for 5 minutes each.
8. Add 100-400 ul Streptavidin-HRP reagent to each section and incubate for 30 minutes at room temperature.
9. Wash sections three times in wash buffer for 5 minutes each.
10. Add 100-400 ul DAB substrate to each section and monitor staining closely.
11. As soon as the sections develop, immerse slides in deionized water.
12. Counterstain sections in hematoxylin.
13. Wash sections in deionized water two times for 5 minutes each.
14. Dehydrate sections.
15. Mount coverslips.

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Products Related to NB100-98829

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-15185PEP	TrkC Antibody Blocking Peptide

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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